a plurality of spaced apart cylindrical rings positioned along a longitudinal axis, each of the cylindrical rings having a plurality of undulating elements in the form of a repeating pattern of substantially U-shaped members; and

a plurality of connecting members for connecting adjacent cylindrical rings; and

the cylindrical rings being positioned relative to each other so that the substantially U-shaped members of adjacent cylindrical rings are out of phase[.];

the cylindrical rings having a delivery diameter and an implanted diameter so that as the cylindrical rings are expanded from the delivery diameter to the implanted diameter at lest some of the substantially U-shaped members project radially outwardly.

[33.] 26. (Amended) The intravascular stent of claim [32] 25, wherein at least some of the connecting members are substantially parallel to each other.

[34.] 27. (Amended) The intravascular stent of claim [32] 25, wherein the cylindrical rings and connecting members are formed from a single piece of hollow tubing.

[35.] 28. (Amended) The intravascular stent of claim [32] 25, wherein the substantially U-shaped members have a curved portion having a substantially uniform radius of curvature.

[36.] 29. (Amended) The intravascular stent of claim [35] 28, wherein at least some of the curved portions of the substantially U-shaped members deform when the stent is expanded from [a] the delivery diameter, to [a] the larger implanted diameter, the deformed curved portions projecting radially outwardly as the stent is expanded to the larger implanted diameter.

[37.] 30. (Amended) The intravascular stent of claim [36] 29, wherein the stent has a first end and a second end, at least some of the curved portions of the substantially U-shaped members forming the first end and the second end project radially outwardly when the stent is expanded from the delivery diameter to the larger implanted diameter.

[38.] 31. (Amended) The intravascular stent of claim [32] 25, wherein the cylindrical elements and the connecting members are formed from a flat sheet of material.

[39.] 32. (Amended) The intravascular stent of claim [32] 25, wherein the stent is formed from a metal alloy.

[40.] 33. (Amended) The intravascular stent of claim [39] 32, wherein the metal alloy is taken from the group of metal alloys [including] comprising stainless steel and nickel-titanium.

[41.] 34. (Amended) The intravascular stent of claim [32] 25, wherein the connecting members between adjacent cylindrical elements are substantially the same length.

[42.] 35. (Amended) The intravascular stent of claim [32] 25, wherein the plurality of U-shaped members have substantially the same size and shape.

[43.] 36. (Amended) The intravascular stent of claim [32] 25, wherein at least five cylindrical elements are interconnected.

[44.] 37. (Amended) An intravascular stent for expanding and implanting in a body lumen, comprising:

a plurality of spaced-apart cylindrical rings positioned along a longitudinal axis, each of the cylindrical rings having a plurality of undulating elements in the form of a repeating pattern of substantially U-shaped members;

each of the substantially U-shaped members having a pair of sides connected by a curved portion; [and]

a plurality of struts for connecting adjacent cylindrical rings; and

the cylindrical rings being positioned relative to each other so that the substantially U-shaped members of adjacent cylindrical rings are out of phase[.] .